





Multiple Choice Questions

1. Double Helix is best described as ...

- A. ☐ The specific pairing of bases in DNA: A to T and C to G
- B. ☐ The name of the twisted shape of the DNA molecule, as it contains two strands.
- C. ☐ The weak bonds that hold the two strands of DNA together.
- D. ☐ Guanine - the base that pairs with Cytosine

2. Which of these shapes most commonly represents deoxyribose sugar in a DNA diagram?

- A. 
- B. 
- C. 
- D. 

3. "A" is used to represent which nitrogenous base?

- A. ☐ the base that pairs with Thymine
- B. ☐ - the base that pairs with Cytosine
- C. ☐ - the base that pairs with Guanine
- D. ☐ - the base that pairs with Adenine

4. Hydrogen Bonds

- A. ☐ The weak bonds that hold the two strands of DNA together.
- B. ☐ The bases that pairs with Adenine
- C. ☐ The specific pairing of bases in DNA: A to T and C to G
- D. ☐ Forces that together with the sugar make the backbone of DNA

5. The base 'Cytosine' is best described as
- A. ☐ - the base that pairs with Thymine
 - B. ☐ - the base that pairs with Guanine
 - C. ☐ - the base that pairs with Adenine
 - D. ☐ - the base that pairs with Cytosine
6. The letter "T" is used instead of which base in DNA?
- A. ☐ Thyroxin
 - B. ☐ Thyroid
 - C. ☐ Triose phosphate
 - D. ☐ Thymine
7. Which of the descriptions best represents the Phosphate group in a DNA diagram?
- A. ☐ Together with the phosphate molecules makes the DNA backbone
 - B. ☐ T- the base that pairs with Guanine
 - C. ☐ Together with the sugar it makes the backbone of DNA
 - D. ☐ One of four different bases. The order of these bases makes the genetic code.
8. Complementary base pairing
- A. ☐ The specific pairing of bases in DNA: A to T and C to G
 - B. ☐ Cytosine - the base that pairs with Guanine
 - C. ☐ Adenine - the base that pairs with Thymine
 - D. ☐ The specific pairing of bases in DNA: A to G and C to T
9. The best description for the letter "G" in a DNA diagram is ...
- A. ☐ - the base that pairs with Cytosine
 - B. ☐ - the base that pairs with Thymine
 - C. ☐ - the base that pairs with Guanine
 - D. ☐ - the base that pairs with Adenine